

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\  
 Data File : BG038469.D  
 Acq On : 11 Dec 2018 13:20  
 Operator : JU/SJ  
 Sample : PB115480TB  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480TB

Quant Time: Dec 11 14:52:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 17:15:40 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 22657    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 98020    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.70 | 164  | 67007    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.45 | 188  | 177603   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.73 | 240  | 179608   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.04 | 264  | 179802   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 164323   | 128.35 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 223888   | 120.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.25  | 82   | 149413   | 75.68  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.20 | 330  | 68496    | 83.27  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.32 | 172  | 355557   | 75.61  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.06 | 244  | 662684   | 79.04  | ng    | 0.00     |

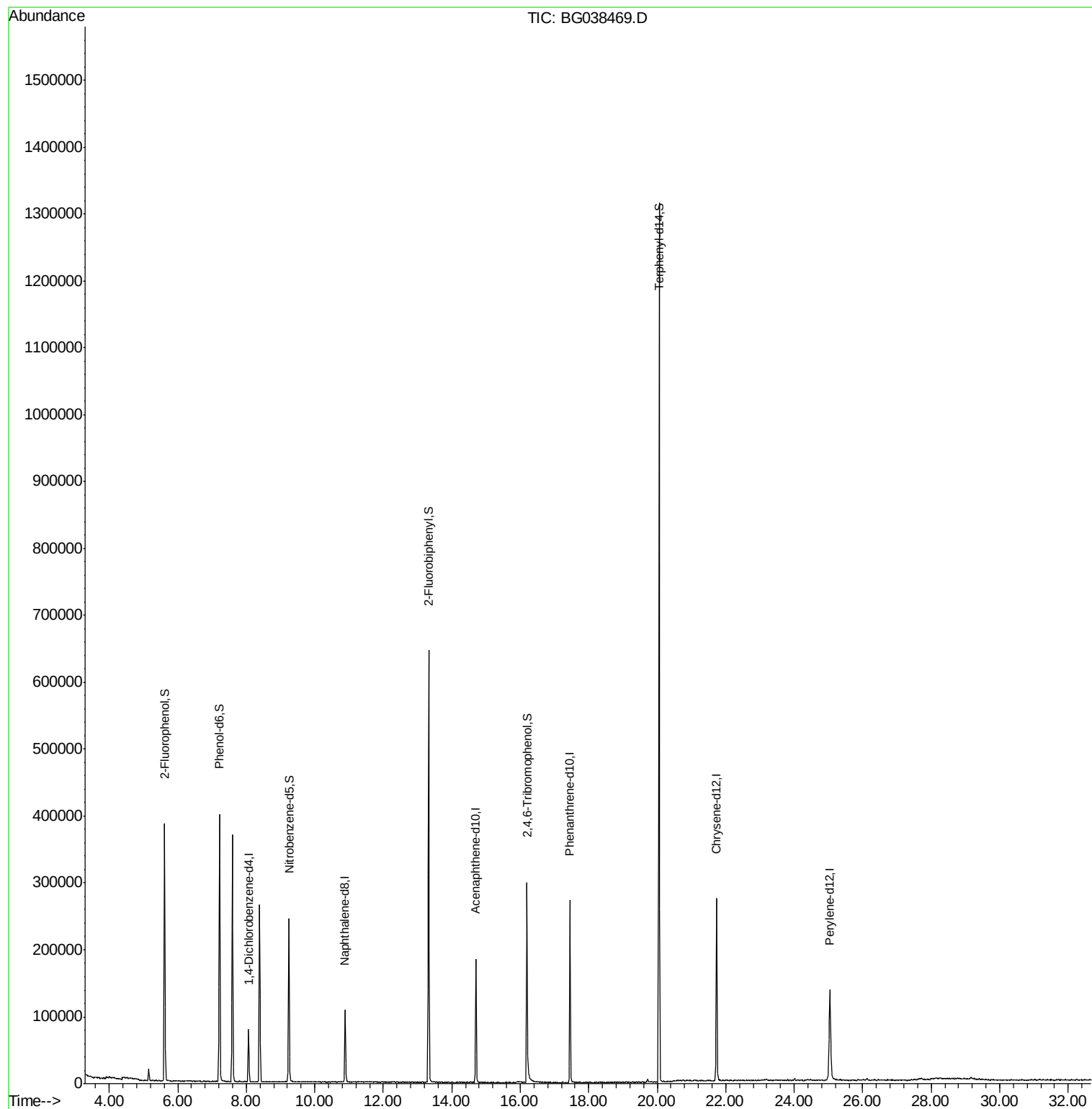
Target Compounds Qvalue

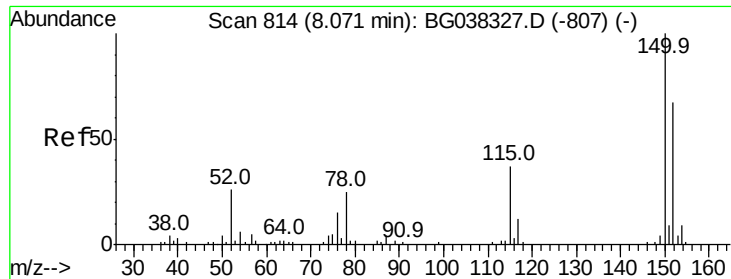
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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PB115480TB

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 04 17:15:40 2018  
Response via : Initial Calibration



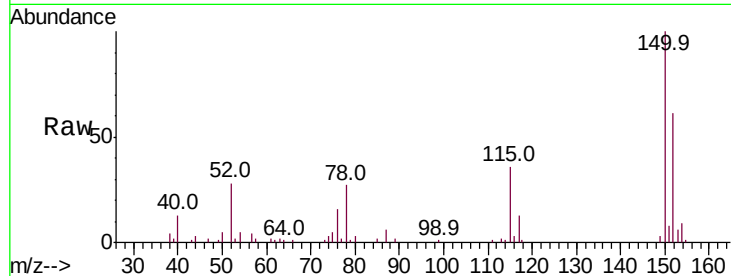


#1

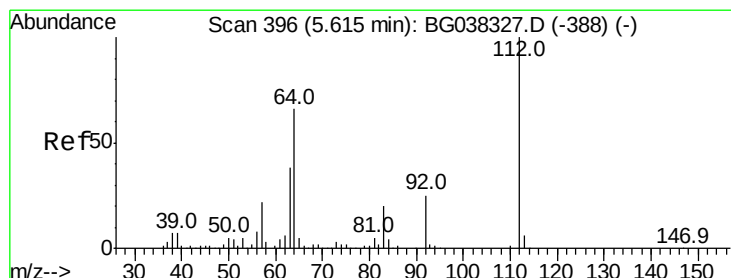
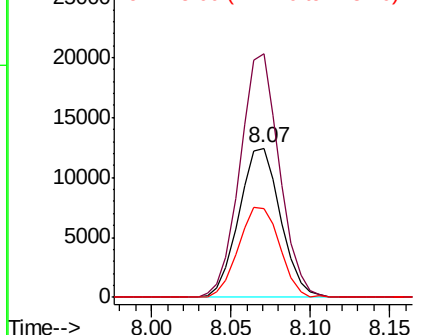
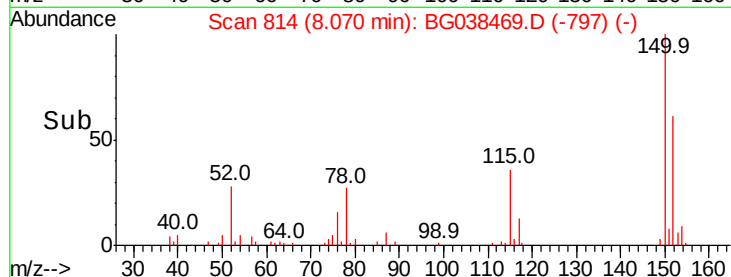
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.07 min Scan# 814  
 Delta R.T. -0.00 min  
 Lab File: BG038469.D  
 Acq: 11 Dec 2018 13:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.3 | 126.0 | 189.0 |
| 115     | 59.5  | 45.5  | 68.3  |



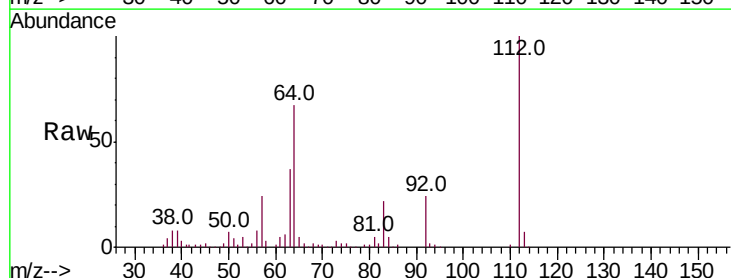
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



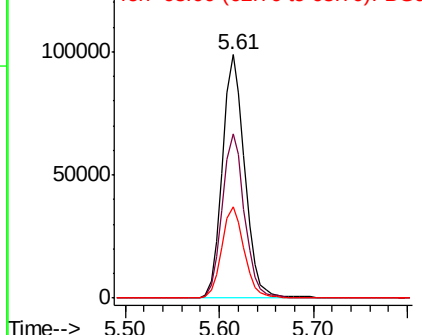
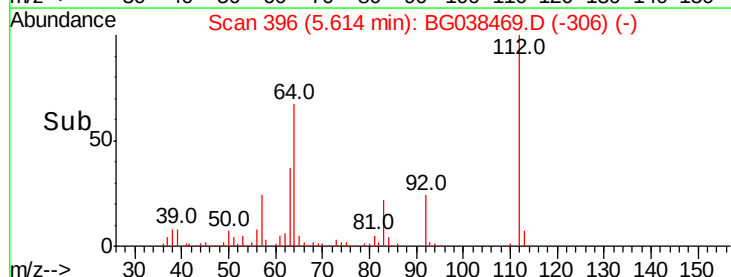
#5

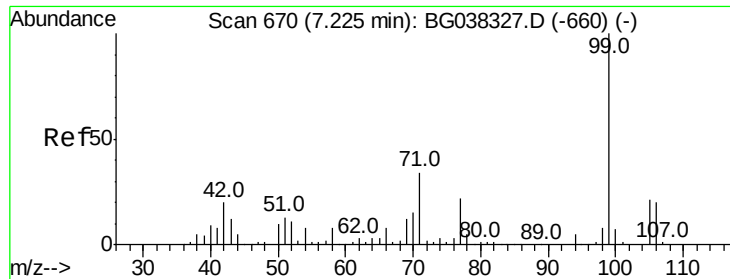
2-Fluorophenol  
 Concen: 128.346 ng  
 RT: 5.61 min Scan# 396  
 Delta R.T. -0.00 min  
 Lab File: BG038469.D  
 Acq: 11 Dec 2018 13:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.3  | 53.1  | 79.7  |
| 63      | 37.4  | 27.3  | 40.9  |



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BGC  
 Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.989 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

Instrument :

BNA\_G

ClientSampleId :

PB115480TB

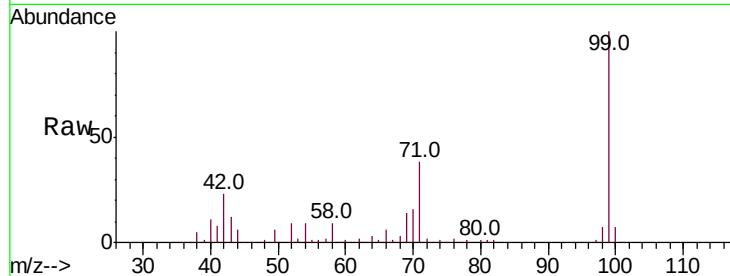
Tot Ion: 99 Resp: 223888

Ion Ratio Lower Upper

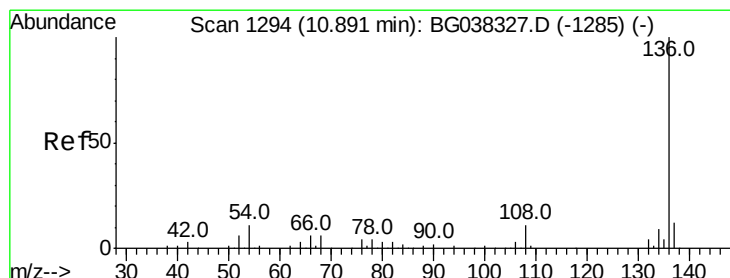
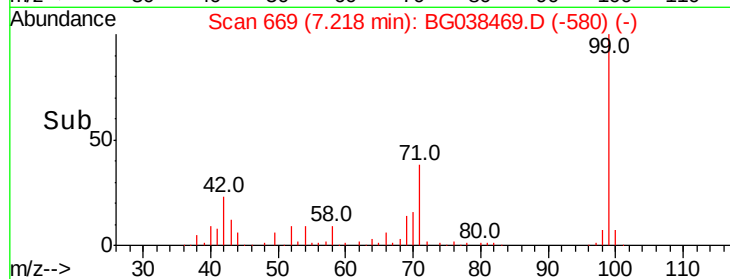
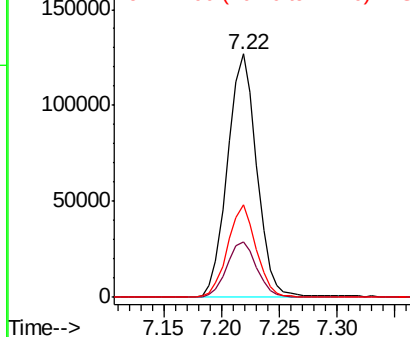
99 100

42 22.8 15.0 22.4#

71 38.0 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.88 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

Tgt Ion: 136 Resp: 98020

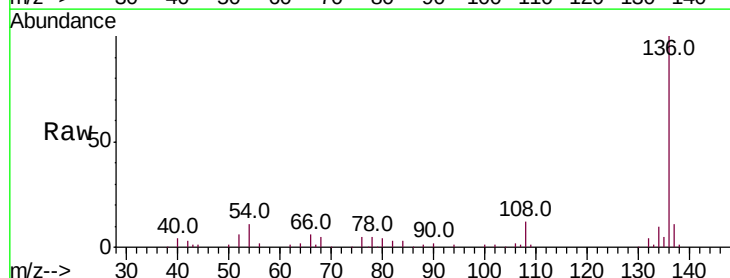
Ion Ratio Lower Upper

136 100

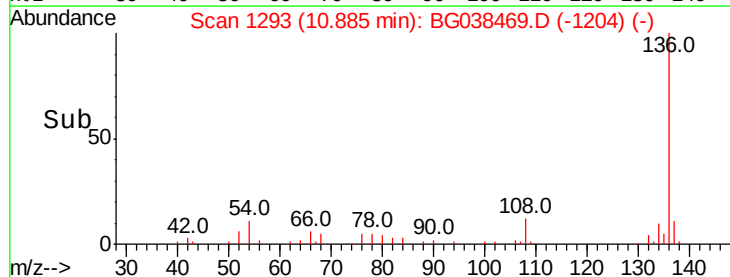
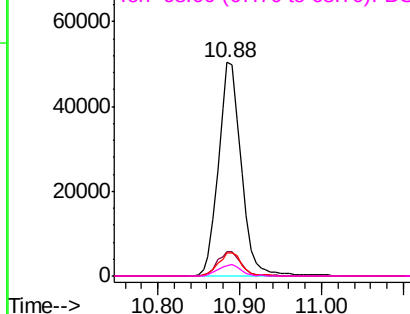
137 11.3 9.6 14.4

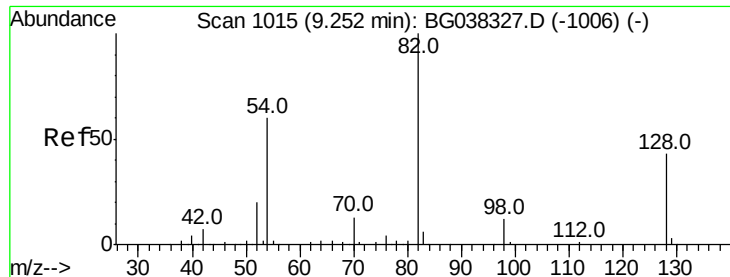
54 10.5 7.9 11.9

68 4.5 4.8 7.2#



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 75.679 ng

RT: 9.25 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

Instrument :

BNA\_G

ClientSampleId :

PB115480TB

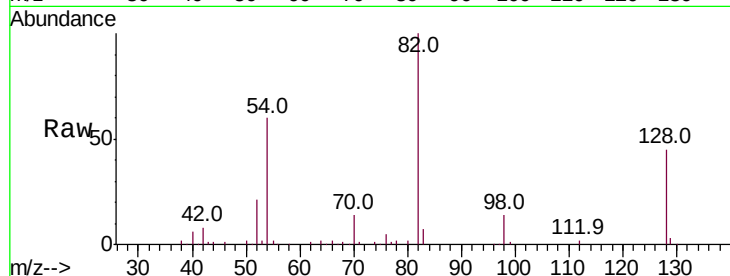
Tot Ion: 82 Resp: 149413

Ion Ratio Lower Upper

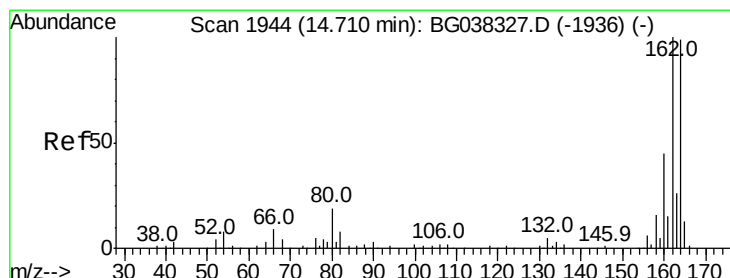
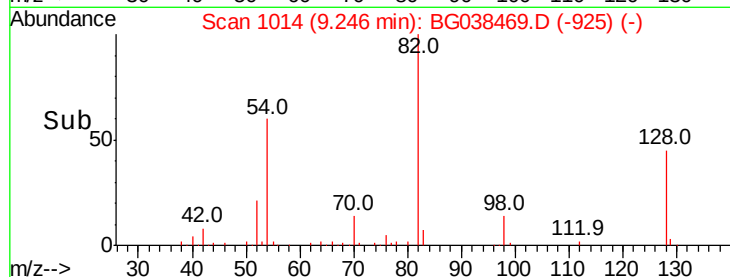
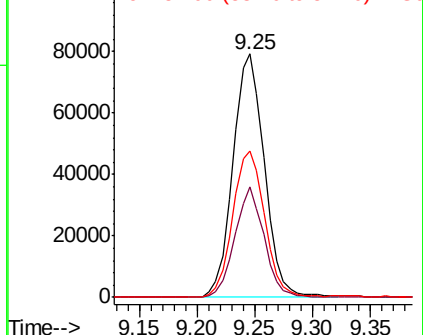
82 100

128 45.4 34.6 51.8

54 60.3 45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

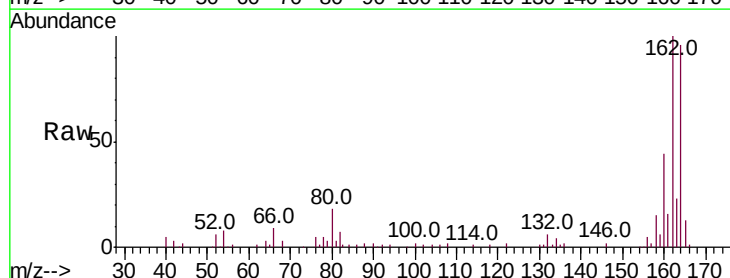
Tgt Ion:164 Resp: 67007

Ion Ratio Lower Upper

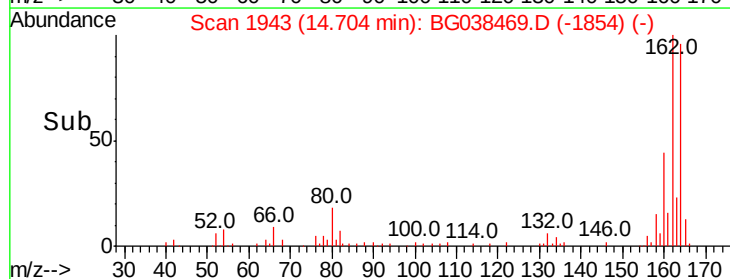
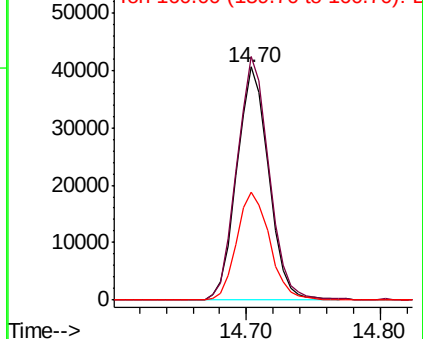
164 100

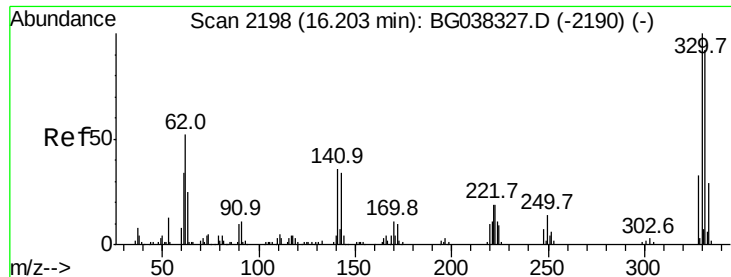
162 104.5 81.3 121.9

160 46.1 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 83.268 ng

RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

Instrument :

BNA\_G

ClientSampleId :

PB115480TB

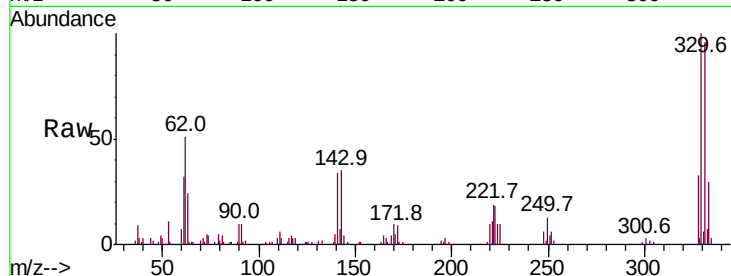
Tot Ion:330 Resp: 68496

Ion Ratio Lower Upper

330 100

332 93.2 78.4 117.6

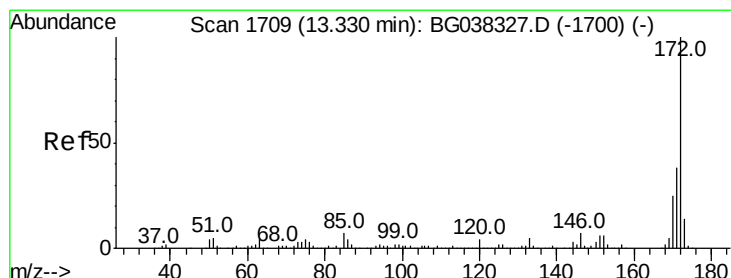
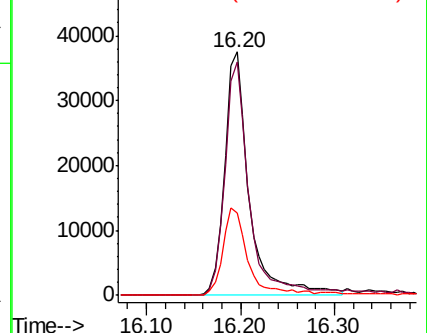
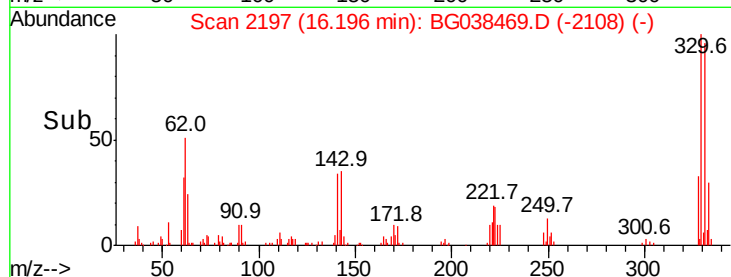
141 36.6 32.2 48.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 75.610 ng

RT: 13.32 min Scan# 1708

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

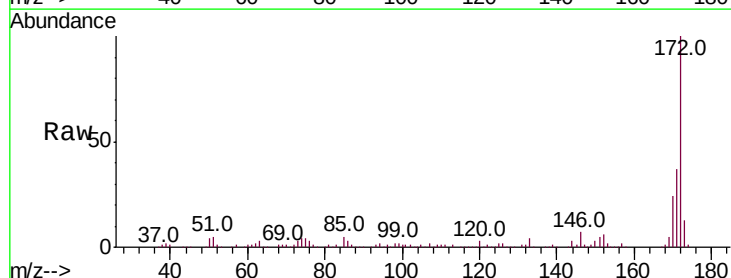
Tgt Ion:172 Resp: 355557

Ion Ratio Lower Upper

172 100

171 36.5 31.0 46.4

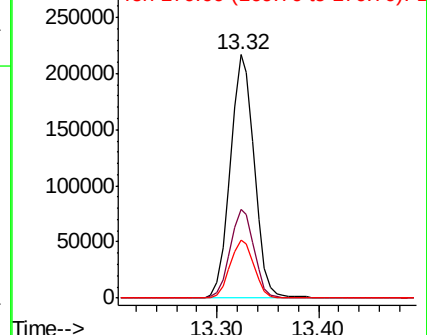
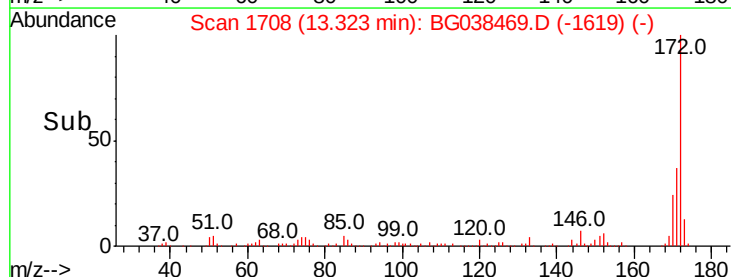
170 23.8 20.2 30.2

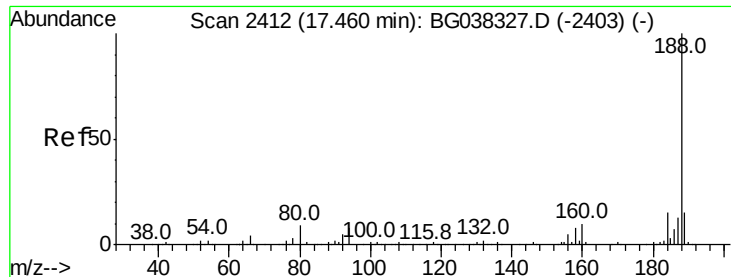


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

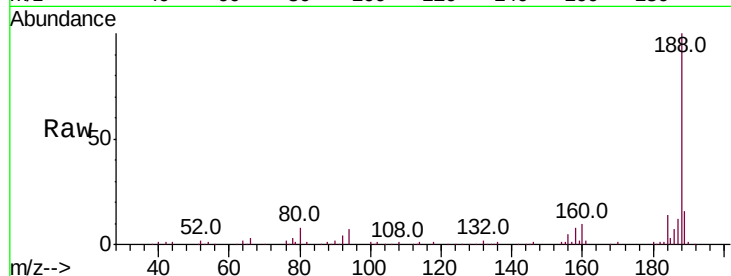




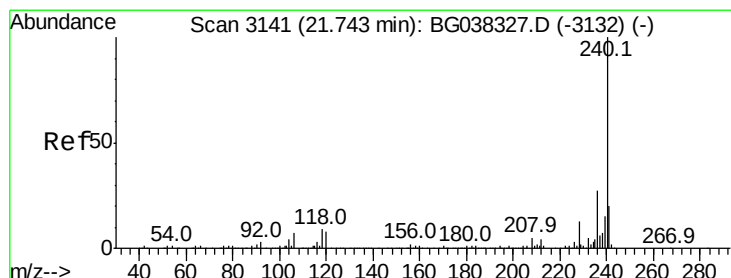
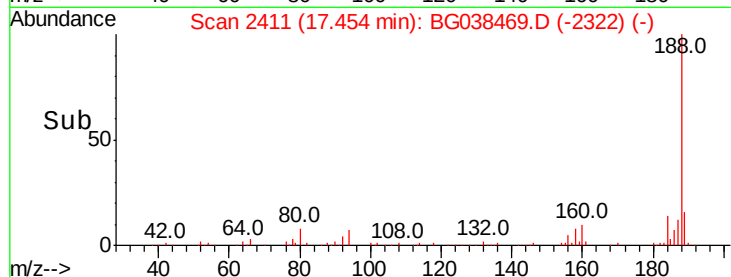
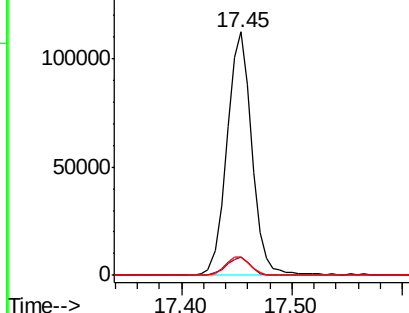
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2411  
Delta R.T. -0.01 min  
Lab File: BG038469.D  
Acq: 11 Dec 2018 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480TB

Tot Ion:188 Resp: 177603  
Ion Ratio Lower Upper  
188 100  
94 7.5 7.2 10.8  
80 7.7 7.7 11.5

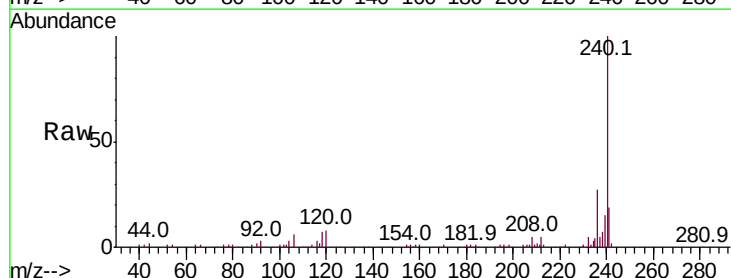


Abundance Ion 188.00 (187.70 to 188.70): E  
150000  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

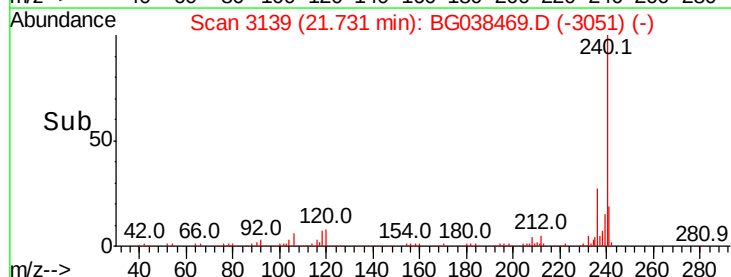
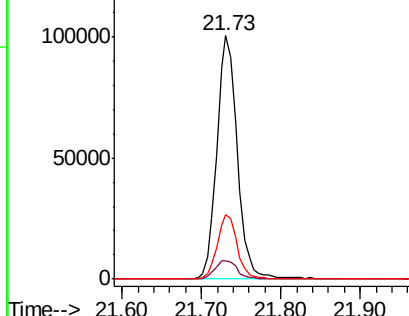


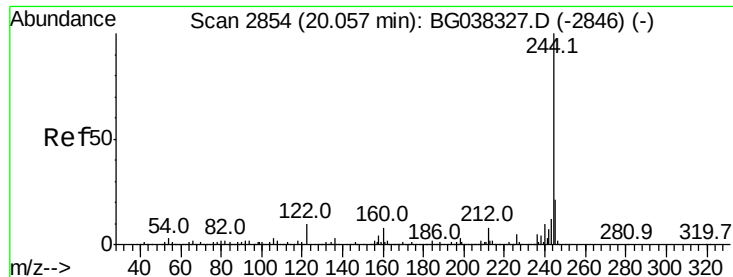
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.73 min Scan# 3139  
Delta R.T. -0.01 min  
Lab File: BG038469.D  
Acq: 11 Dec 2018 13:20

Tgt Ion:240 Resp: 179608  
Ion Ratio Lower Upper  
240 100  
120 7.6 8.1 12.1#  
236 26.6 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E  
100000  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 79.041 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

Instrument :

BNA\_G

ClientSampleId :

PB115480TB

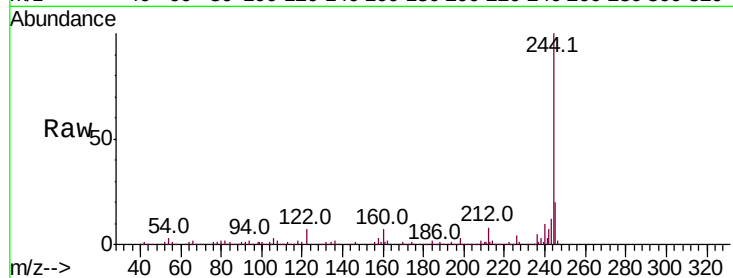
Tot Ion:244 Resp: 662684

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

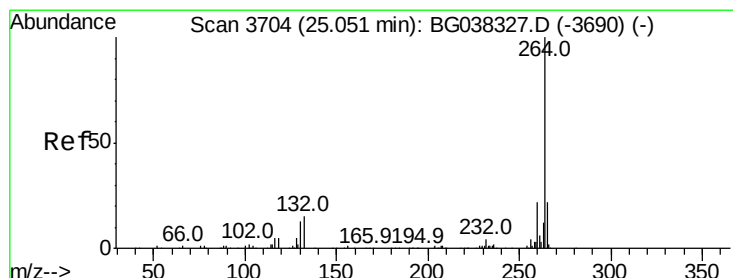
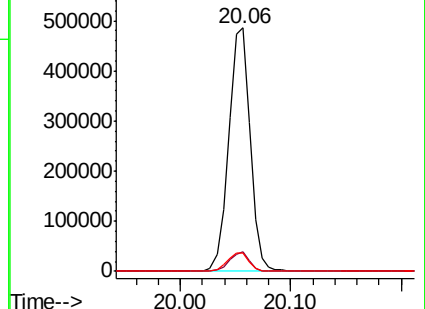
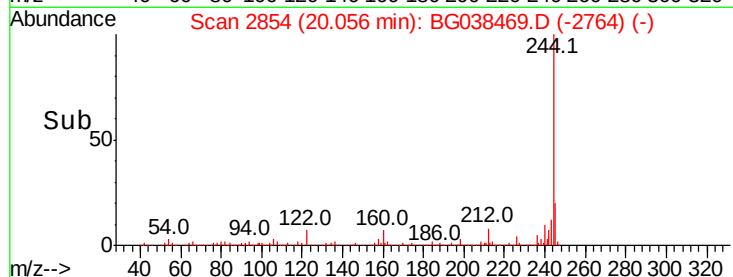
122 7.3 9.0 13.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038469.D

Acq: 11 Dec 2018 13:20

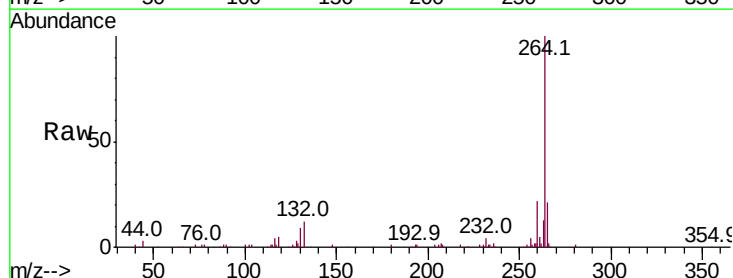
Tgt Ion:264 Resp: 179802

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.4

265 21.2 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

